



Integrated Device Technology, Inc.
6024 Silver Creek Valley Road, San Jose, CA 95138

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **TB0605-05** DATE: **7/01/06**

Product Affected: **CVBGA 52L & 56L Products**
shipped in tray

Date Effective: **7/31/2006**

MEANS OF DISTINGUISHING CHANGED DEVICES:

- ☐ Product Mark
☐ Back Mark
☐ Date Code
☒ Other
- New tray quantity - 364 units/tray
Shipment starting from 31-Jul-2006

Contact: **Geoffrey Cortes**

Title: **Product Quality**

Phone #: **(408) 284-8321**

Fax #: **(408) 284-1450**

E-mail: Geoffrey.Cortes@idt.com

Attachment: ☒ Yes ☐ No

Samples: **N/A**

DESCRIPTION AND PURPOSE OF CHANGE:

- ☐ Die Technology
☐ Wafer Fabrication Process
☐ Assembly Process
☐ Equipment
☐ Material
☐ Testing
☐ Manufacturing Site
☐ Data Sheet
☒ Other - Packing Material
- This notification is to advise our customer that IDT has qualified new shipping trays for CVBGA 52L and 56L products. The new trays provide better protection during product shipment.
- Please note that there will be a change in number of units per tray from 325 to 364 units/tray. There is no change in the tray dimensions.
- Attachment I details the change.
Attachment II provides a list of affected products.

RELIABILITY/QUALIFICATION SUMMARY:

The new trays have passed IDT qualification. Please see Attachment I for the qualification results.

CUSTOMER ACKNOWLEDGMENT OF RECEIPT:

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: _____

☐ **Approval for shipments prior to effective date.**

Name/Date: _____

E-Mail Address: _____

Title: _____

Phone # /Fax #: _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____

DATE: _____



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ATTACHMENT I - PCN #: TB0605-05

PCN Type: Packing

Data Sheet Change: None

Detail of Change: This notification is to advise our customer that IDT has qualified new shipping trays for CVBGA 52L and 56L products. The new trays provide better protection during product shipment.

Please note that there will be a change in number of units per tray from 325 to 364 units/tray. There is no change in the tray dimensions.

The new shipping trays have passed IDT's internal qualification requirements.

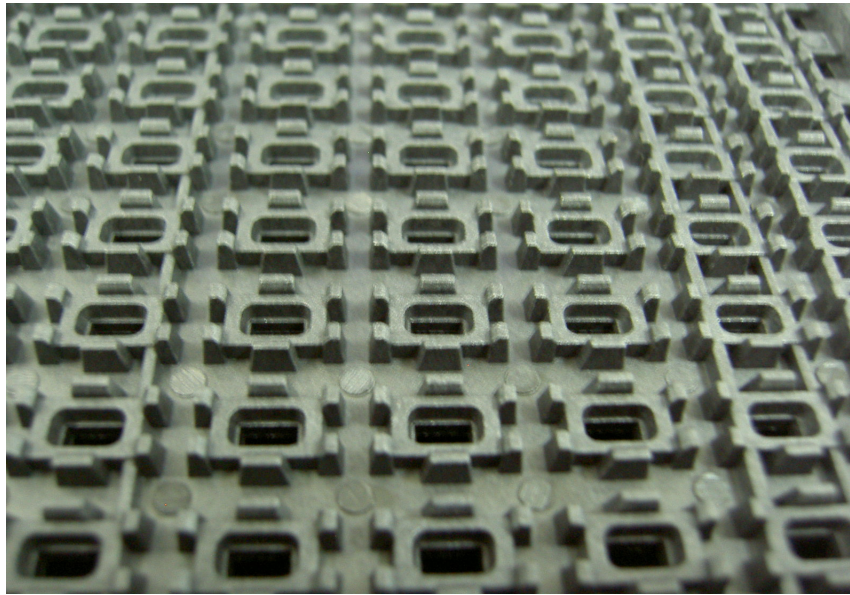
| Description | Existing Shipping Tray | New Shipping Tray |
|-------------------|------------------------|----------------------|
| Part Number | 12C-4570-E19 | 1QG-4570-F19 |
| Tray Matrix | 13x25 | 14x26 |
| Qty per Tray | 325 units | 364 units |
| Pocket Size (WxL) | 4.67x7.17 +/- 0.08mm | 4.64x7.14 +/- 0.08mm |



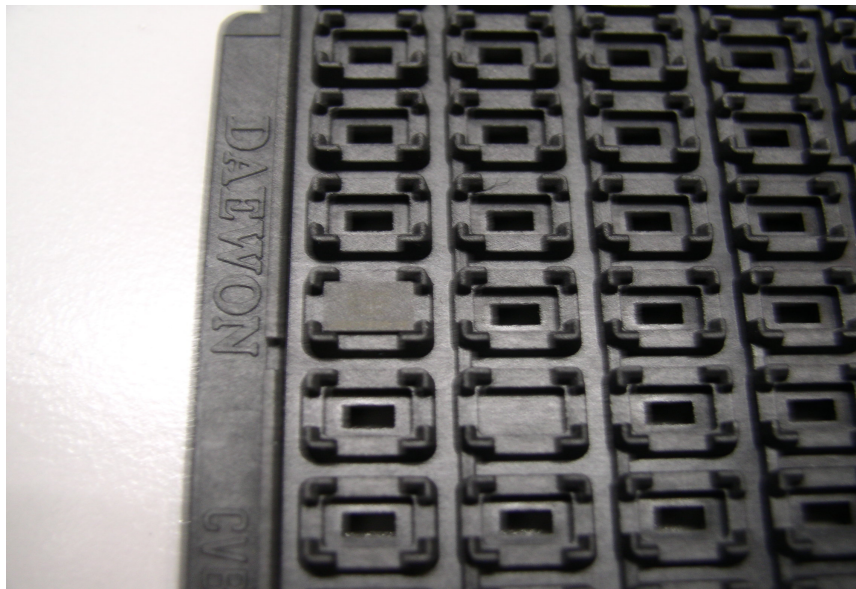
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ATTACHMENT I - PCN #: TB0605-05



Existing Shipping Tray



New Shipping Tray



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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN #: TB0605-05

Qualification Plan #: BC05-09-01

Qualification Test Plan and Result:

| Qualification Test and Conditions | Reject / Sample Size | Result |
|---|-----------------------------|---------------|
| 6 Feet Drop Test (6 drops, 1 drop per side @ standard packing) | 0/4 trays (1456 units) | Pass |
| Manufacturability (IC Fitting, Trim & Form Machine, Vision System, Test Handler) | 0/5 trays | Pass |
| Visual/Mechanical (Chip, crack, pit, incomplete fill, contamination, burr on tray pocket) | 0/5 trays | Pass |
| Static Electricity Test (100 volts max) | 0/5 trays | Pass |
| Surface Resistivity Test (1×10^5 to 1×10^{11} ohms per sq) | 0/5 trays | Pass |
| Dimensional (critical dimensions based on drawing) | 0/5 trays | Pass |
| Bake Test (135°C@24 hours, bundled and singulated method) | 0/8 trays | Pass |



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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT II - PCN #: TB0605-05

Affected Part Number

| IDT Part Number | IDT Part Number | IDT Part Number | IDT Part Number |
|------------------|-----------------|-----------------|------------------|
| IDT98ULPA877AHLF | IDT97U2A877AHLF | IDT97ULP877AH | IDT97ULP878BHLF |
| IDT95V2F857AAH | IDT97U870AH | IDT97ULP877AHLF | IDT97ULPA877AH |
| IDT95V2F857AAHLF | IDT97U877AAH | IDT97ULP877BH | IDT97ULPA877AHLF |
| IDT95V857AH | IDT97U877AAHLF | IDT97ULP877BHLF | |
| IDT95V857AHLF | IDT97U877BH | IDT97ULP878AH | |
| IDT95VLP857ADH | IDT97UA877AH | IDT97ULP878AHLF | |
| IDT95VLP857ADHLF | IDT97UA877AHLF | IDT97ULP878BH | |